

AMENDMENTS TO THE CLAIMS:

Claim 1. (Currently amended) A ~~cord eode~~ type thermal fuse comprising:

a fuse core produced by winding a conductor meltable at a predetermined temperature ~~on~~ around an insulating core member continuously ~~provided~~ elongating in the length direction of the insulating core member; and

an insulating cover covering the outside ~~outer periphery~~ of said insulating core member ~~fuse core~~, wherein: ~~characterized in that:~~

said conductor can be broken ~~cut~~ by expanding said insulating core member at a predetermined temperature and/or by contracting said insulating cover at said predetermined temperature; and

said insulating core member comprises a gas-containing material.

Claim 2. (Currently amended) The ~~cord eode~~ type thermal fuse as claimed in claim 1, wherein: further characterized in that:

said insulating core member has at least one or more protrusions formed continuously or intermittently in the length direction of said insulating core member on the outer peripheral surface ~~periphery~~ of said insulating core member.

Claim 3. (Currently Amended) The ~~cord eode~~ type thermal fuse as claimed in claim 1, wherein: further characterized in that:

said insulating cover has at least one or more protrusions formed continuously or intermittently in the length direction of said insulating cover on the inner peripheral surface ~~periphery~~ of said insulating cover.

Claim 4. (Currently amended) The ~~cord eode~~ type thermal fuse as claimed in claim 1, wherein: further characterized in that:

a ~~another~~ line-shaped or braid-shaped insulator is provided on an ~~the~~ inner peripheral side of said insulating cover; and

said conductor is sandwiched between said insulating core member and said line-shaped or braid-shaped insulator at least partially in the length direction of said conductor.

Claim 5. (Currently amended) The cord eode type thermal fuse as claimed in claim 4, wherein: further characterized in that:

said line-shaped or braid-shaped insulator has a characteristic of contracting in the length direction of said conductor around a melting temperature of said conductor.

Claim 6. (Currently amended) The cord eode type thermal fuse as claimed in claim 4, wherein: further characterized in that:

said line-shaped or braid-shaped insulator has a characteristic of expanding in a radial ~~the peripheral~~ direction around a melting temperature of said conductor.

Claim 7. (Currently amended) The cord eode type thermal fuse as claimed in claim 1, wherein: further characterized in that:

said insulating core member comprises a gas-containing material as a structural element.

Claim 8. (Currently amended) The cord eode type thermal fuse as claimed in claim 7, wherein: further characterized in that:

said insulating core member comprises a gas-containing material covering a periphery of a tensile resistant member at the center of said insulating core member.

Claim 9. (Currently Amended) A sheet type thermal fuse, comprising:

the cord eode type thermal fuse according to claim 1, provided on a flat surface in a serpentine manner; and

means for fixing a layout of said cord eode type thermal fuse.

Claim 10. (Currently amended) The cord eode type thermal fuse as claimed in claim 2, wherein: further characterized in that:

said insulating cover has at least one or more protrusions formed continuously or intermittently in the length direction of said conductor on the inner periphery side of said insulating cover.

Claim 11. (Currently amended) The cord eode type thermal fuse as claimed in claim 2, wherein: further characterized in that:

said insulating core member comprises a gas-containing material as a structural element.

Claim 12. (Currently amended) The cord eode type thermal fuse as claimed in claim 3, wherein: further characterized in that:

said insulating core member comprises a gas-containing material as a structural element.

Claim 13. (Currently amended) The cord eode type thermal fuse as claimed in claim 4, wherein: further characterized in that:

said insulating core member comprises a gas-containing material in airtight spaces as a structural element.

Claim 14. (Currently amended) The cord eode type thermal fuse as claimed in claim 5, wherein: further characterized in that:

said insulating core member comprises a gas-containing material as a structural element.

Claim 15. (Currently amended) The cord eode type thermal fuse as claimed in claim 6, wherein: further characterized in that:

said insulating core member comprises a gas-containing material as a structural element.

Claim 16. (Currently amended) A sheet type thermal fuse, comprising:

the cord eode type thermal fuse according to claim 2, provided on a flat surface in a serpentine manner; and

means for fixing a layout of said cord eode type thermal fuse.

Claim 17. (Currently amended) A sheet type thermal fuse, comprising:
the cord eede type thermal fuse according to claim 3, provided on a flat surface in a serpentine manner; and

means for fixing a layout of said cord eede type thermal fuse.

Claim 18. (Currently amended) A sheet type thermal fuse, comprising:
the cord eede type thermal fuse according to claim 4, provided on a flat surface in a serpentine manner; and

means for fixing a layout of said cord eede type thermal fuse.

Claim 19. (Currently amended) A sheet type thermal fuse, comprising:
the cord eede type thermal fuse according to claim 5, provided on a flat surface in a serpentine manner; and

means for fixing a layout of said cord eede type thermal fuse.

Claim 20. (Currently amended) A sheet type thermal fuse, comprising:
the cord eede type thermal fuse according to claim 6, provided on a flat surface in a serpentine manner; and

means for fixing a layout of said cord eede type thermal fuse.